

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/086,427DATE: 08/03/93  
TIME: 16:04:18

INPUT SET: S1157.raw

## SEQUENCE LISTING

ENTERED

## (1) General Information:

(i) APPLICANT: Gospodarowicz, Denis  
Masiarz, Frank R.(ii) TITLE OF INVENTION: A Truncated Keratinocyte Growth Factor  
(KGF) Having Increased Biological Activity

(iii) NUMBER OF SEQUENCES: 19

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Chiron Corporation  
(B) STREET: 4560 Horton Street  
(C) CITY: Emeryville  
(D) STATE: CA  
(E) COUNTRY: USA  
(F) ZIP: 94608

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION:

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Amy L. Collins, Esq.  
(B) REGISTRATION NUMBER: 33,370  
(C) REFERENCE/DOCKET NUMBER: 0953.001

## (ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (510) 601-2768  
(B) TELEFAX: (510) 655-3542

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 194 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Met	His	Lys	Trp	Ile	Leu	Thr	Trp	Ile	Leu	Pro	Thr	Leu	Leu	Tyr	Arg
1				5					10					15	
Ser	Cys	Phe	His	Ile	Ile	Cys	Leu	Val	Gly	Thr	Ile	Ser	Leu	Ala	Cys
			20					25					30		
Asn	Asp	Met	Thr	Pro	Glu	Gln	Met	Ala	Thr	Asn	Val	Asn	Cys	Ser	Ser
		35					40					45			
Pro	Glu	Arg	His	Thr	Arg	Ser	Tyr	Asp	Tyr	Met	Glu	Gly	Gly	Asp	Ile
	50					55					60				
Arg	Val	Arg	Arg	Leu	Phe	Cys	Arg	Thr	Gln	Trp	Tyr	Leu	Arg	Ile	Asp
	65				70					75				80	
Lys	Arg	Gly	Lys	Val	Lys	Gly	Thr	Gln	Glu	Met	Lys	Asn	Asn	Tyr	Asn
				85					90					95	
Ile	Met	Glu	Ile	Arg	Thr	Val	Ala	Val	Gly	Ile	Val	Ala	Ile	Lys	Gly
			100					105					110		
Val	Glu	Ser	Glu	Phe	Tyr	Leu	Ala	Met	Asn	Lys	Glu	Gly	Lys	Leu	Tyr
		115					120					125			
Ala	Lys	Lys	Glu	Cys	Asn	Glu	Asp	Cys	Asn	Phe	Lys	Glu	Leu	Ile	Leu
	130					135					140				
Glu	Asn	His	Tyr	Asn	Thr	Tyr	Ala	Ser	Ala	Lys	Trp	Thr	His	Asn	Gly
	145				150					155				160	
Gly	Glu	Met	Phe	Val	Ala	Leu	Asn	Gln	Lys	Gly	Ile	Pro	Val	Arg	Gly
			165						170					175	
Lys	Lys	Thr	Lys	Lys	Glu	Gln	Lys	Thr	Ala	His	Phe	Leu	Pro	Met	Ala
			180					185					190		
Ile	Thr														

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

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103 (ii) MOLECULE TYPE: protein

104

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106

107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

108

109 Cys Asn Asp Met Thr Pro Glu Gln Met Ala Thr Asn Val Asn Cys Ser

110 1 5 10 15

111

112 Ser Pro Glu Arg His Thr Arg

113 20

114

115 (2) INFORMATION FOR SEQ ID NO:3:

116

117 (i) SEQUENCE CHARACTERISTICS:

118 (A) LENGTH: 6 amino acids

119 (B) TYPE: amino acid

120 (C) STRANDEDNESS: single

121 (D) TOPOLOGY: linear

122

123 (ii) MOLECULE TYPE: peptide

124

125

126

127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

128

129 Met His Lys Trp Ile Leu

130 1 5

131

132 (2) INFORMATION FOR SEQ ID NO:4:

133

134 (i) SEQUENCE CHARACTERISTICS:

135 (A) LENGTH: 35 base pairs

136 (B) TYPE: nucleic acid

137 (C) STRANDEDNESS: single

138 (D) TOPOLOGY: linear

139

140 (ii) MOLECULE TYPE: DNA (genomic)

141

142

143

144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

145

146 AGATCTCTGC AGCTATAATG CACAAATGGA TACTG

35

147

148 (2) INFORMATION FOR SEQ ID NO:5:

149

150 (i) SEQUENCE CHARACTERISTICS:

151 (A) LENGTH: 7 amino acids

152 (B) TYPE: amino acid

153 (C) STRANDEDNESS: single

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154 (D) TOPOLOGY: linear

155

156 (ii) MOLECULE TYPE: peptide

157

158

159

160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

161

162 Thr Ile Ala Met Pro Leu Phe

163

1

5

164

165 (2) INFORMATION FOR SEQ ID NO:6:

166

167 (i) SEQUENCE CHARACTERISTICS:

168 (A) LENGTH: 38 base pairs

169 (B) TYPE: nucleic acid

170 (C) STRANDEDNESS: single

171 (D) TOPOLOGY: linear

172

173 (ii) MOLECULE TYPE: DNA (genomic)

174

175

176

177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

178

179 AGATCTGCGG CCGCTTAAGT TATTGCCATA GGAAGAAA

38

180

181 (2) INFORMATION FOR SEQ ID NO:7:

182

183 (i) SEQUENCE CHARACTERISTICS:

184 (A) LENGTH: 20 amino acids

185 (B) TYPE: amino acid

186 (C) STRANDEDNESS: single

187 (D) TOPOLOGY: linear

188

189 (ii) MOLECULE TYPE: peptide

190

191

192

193 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

194

195 Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile Arg Val Arg Arg Leu Phe

196

1

5

10

15

197

198 Xaa Arg Thr Gln

199

20

200

201 (2) INFORMATION FOR SEQ ID NO:8:

202

203 (i) SEQUENCE CHARACTERISTICS:

204 (A) LENGTH: 32 base pairs

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205 (B) TYPE: nucleic acid  
206 (C) STRANDEDNESS: single  
207 (D) TOPOLOGY: linear  
208  
209 (ii) MOLECULE TYPE: DNA (genomic)  
210  
211  
212  
213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
214  
215 GGTGGTGGAT CCCCAGCTTA GTTCATAGGT CC 32  
216  
217 (2) INFORMATION FOR SEQ ID NO:9:  
218  
219 (i) SEQUENCE CHARACTERISTICS:  
220 (A) LENGTH: 12 amino acids  
221 (B) TYPE: amino acid  
222 (C) STRANDEDNESS: single  
223 (D) TOPOLOGY: linear  
224  
225 (ii) MOLECULE TYPE: peptide  
226  
227  
228  
229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
230  
231 His Gln Asn Val Phe Arg Lys Ala Pro Ile Gln Ala  
232 1 5 10  
233  
234 (2) INFORMATION FOR SEQ ID NO:10:  
235  
236 (i) SEQUENCE CHARACTERISTICS:  
237 (A) LENGTH: 36 base pairs  
238 (B) TYPE: nucleic acid  
239 (C) STRANDEDNESS: single  
240 (D) TOPOLOGY: linear  
241  
242 (ii) MOLECULE TYPE: DNA (genomic)  
243  
244  
245  
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
247  
248 GTGTTGGTTA ACGAATCGCT TAGCCGGAAT TTGTGC 36  
249  
250 (2) INFORMATION FOR SEQ ID NO:11:  
251  
252 (i) SEQUENCE CHARACTERISTICS:  
253 (A) LENGTH: 12 amino acids  
254 (B) TYPE: amino acid  
255 (C) STRANDEDNESS: single

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256 (D) TOPOLOGY: linear  
257  
258 (ii) MOLECULE TYPE: peptide  
259  
260  
261  
262 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
263  
264 Pro Ala Lys Arg Ser Tyr Asp Tyr Met Glu Gly Gly  
265 1 5 10  
266  
267 (2) INFORMATION FOR SEQ ID NO:12:  
268  
269 (i) SEQUENCE CHARACTERISTICS:  
270 (A) LENGTH: 39 base pairs  
271 (B) TYPE: nucleic acid  
272 (C) STRANDEDNESS: single  
273 (D) TOPOLOGY: linear  
274  
275 (ii) MOLECULE TYPE: DNA (genomic)  
276  
277  
278  
279 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
280  
281 CCGCCGGCTA AGCGAAGTTA TGATTACATG GAAGGAGGG  
282  
283 (2) INFORMATION FOR SEQ ID NO:13:  
284  
285 (i) SEQUENCE CHARACTERISTICS:  
286 (A) LENGTH: 8 amino acids  
287 (B) TYPE: amino acid  
288 (C) STRANDEDNESS: single  
289 (D) TOPOLOGY: linear  
290  
291 (ii) MOLECULE TYPE: peptide  
292  
293  
294  
295 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
296  
297 Thr Ile Ala Met Pro Leu Phe His  
298 1 5  
299  
300 (2) INFORMATION FOR SEQ ID NO:14:  
301  
302 (i) SEQUENCE CHARACTERISTICS:  
303 (A) LENGTH: 39 base pairs  
304 (B) TYPE: nucleic acid  
305 (C) STRANDEDNESS: single  
306 (D) TOPOLOGY: linear

39

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307  
308 (ii) MOLECULE TYPE: DNA (genomic)  
309  
310  
311  
312 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
313  
314 GGTGGTGTCTG ACTTAAGTTA TTGCCATAGG AAGAAAGTG 39  
315  
316 (2) INFORMATION FOR SEQ ID NO:15:  
317  
318 (i) SEQUENCE CHARACTERISTICS:  
319 (A) LENGTH: 25 base pairs  
320 (B) TYPE: nucleic acid  
321 (C) STRANDEDNESS: single  
322 (D) TOPOLOGY: linear  
323  
324 (ii) MOLECULE TYPE: DNA (genomic)  
325  
326  
327  
328 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:  
329  
330 GATCAGATCT AAATTTCCCG GATCC 25  
331  
332 (2) INFORMATION FOR SEQ ID NO:16:  
333  
334 (i) SEQUENCE CHARACTERISTICS:  
335 (A) LENGTH: 25 base pairs  
336 (B) TYPE: nucleic acid  
337 (C) STRANDEDNESS: single  
338 (D) TOPOLOGY: linear  
339  
340 (ii) MOLECULE TYPE: DNA (genomic)  
341  
342  
343  
344 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:  
345  
346 TCTAGATTTA AAGGCCTAG GAGCT 25  
347  
348 (2) INFORMATION FOR SEQ ID NO:17:  
349  
350 (i) SEQUENCE CHARACTERISTICS:  
351 (A) LENGTH: 9 amino acids  
352 (B) TYPE: amino acid  
353 (C) STRANDEDNESS: single  
354 (D) TOPOLOGY: linear  
355  
356 (ii) MOLECULE TYPE: DNA (genomic)  
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

Met Ser Tyr Asp Tyr Met Glu Gly Gly  
1 5

(2) INFORMATION FOR SEQ ID NO:18:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 35 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

GTTGTTTCAT GAGTTATGAT TACATGGAAG GAGGG

35

(2) INFORMATION FOR SEQ ID NO:19:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 99 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 13..14
- (D) OTHER INFORMATION: /note= "The figure did not contain the intervening polyhedrin sequences."

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

TATAAATATT CCGGGCGCGG ATCGGTACCA GATCTGCAGA ATTCTAGAGG ATCCTGATCA 60

GCTAGCAGAG CTCGCGGCCG CCCGGGCCGT ACCGACTCT

99

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/086,427**

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*INPUT SET: S1157.raw*

Line	Error	Original Text
29	Wrong Filing Date	(B) FILING DATE:

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**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION US/08/086,427**

DATE: 08/03/93  
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APPLICATION NUMBER  
FILING DATE  
PRIOR APPLICATION DATA

PAGE: 1

**SEQUENCE CORRECTION REPORT**  
**PATENT APPLICATION US/08/086,427**

DATE: 08/03/93  
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Line

Original Text

Corrected Text

**CRF Errors Corrected by the STIC Systems Branch**

C 12

Serial Number: 081086, 427

CRF Processing Date: 8/3/93  
 Edited by: [Signature]  
 Verified by: [Signature] (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☒ Changed the margins in cases where the sequence text was "wrapped" down to the next line. *Just seq 19 (p. 8)*
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Inserted a space between the last nucleic designator and the nucleic number for sequences: \_\_\_\_\_
- ☐ Deleted page numbers in the text of the sequence listing, which is considered invalid text.
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted non-ASCII "garbage" at the end of files, and other invalid text, such as a secretary's initials.
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Other: \_\_\_\_\_

**\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

8/01/93